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(54) Title: ORIENTED STRAND BOARDS

(57) Abstract: Oriented strand board (OSB), comprising a core layer and two face layers, whereby the face layers comprise an adhesive composition, wherein the adhesive composition in at least one of the face layers comprises a resin composition comprising melamine, formaldehyde, optionally urea and aromatic hydroxyl compounds, wherein the molar ratio of melamine to formaldehyde is 1:0.8-4.0, the molar ratio of melamine to urea is 1:0-2.0 and the molar ratio of melamine to aromatic hydroxyl compounds is 1:0-2.0. In a preferred embodiment, both the face layers and the core layer comprise the said adhesive composition. The OSB's according to the invention can meet the OSB/3 and even the OSB/4 requirements in the EN 300 standards.

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